CLAIMS

None of the claims has been amended. The claims are reproduced below for the Examiner's convenience.

1.   (Previously Presented) A method for quantifying asymmetry of body positions during a movement, comprising:

        determining a first set of data that comprises positions of a first limb as the first limb performs the movement;

        determining a second set of data that comprises positions of a second limb as the second limb performs a similar movement;

        generating a shape based on the first set of data and the second set of data; and

        determining a value of a characteristic of the generated shape.

2.   (Previously Presented) The method of claim 1 wherein a position of the first limb includes an angle of a joint of the first limb.

3.   (Previously Presented) The method of claim 2 wherein a position of the second limb includes an angle of a corresponding joint of the second limb.

4.   (Original) The method of claim 1 wherein the movement comprises one or more cycles.

5.   (Cancelled)

6.   (Previously Presented) The method of claim 1 wherein the shape comprises an angle-angle diagram.

7.   (Previously Presented) The method of claim 6 wherein the characteristic of the generated shape comprises an area of the generated shape.

8.   (Previously Presented) The method of claim 6 wherein the characteristic of the generated shape comprises an orientation of the generated shape.

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9. (Previously Presented) The method of claim 6 wherein the characteristic of the generated shape comprises a minimum moment magnitude of the generated shape.

10. (Previously Presented) The method of claim 1 further comprising comparing the determined value to a value of the characteristic of a shape representing a baseline movement.

11. (Cancelled)

12. (Previously Presented) A method for quantifying asymmetry of joint angles during a movement, comprising:

> determining a first set of data that comprises angles of a joint of a first limb as the
>> first limb performs the movement;

> determining a second set of data that comprises angles of a joint of a second limb as
>> the second limb performs a similar movement;

> generating a cyclogram based on the first set of data and the second set of data;

> determining a value of a characteristic of the generated cyclogram; and

> comparing the determined value to a value of the characteristic of a cyclogram
>> representing a baseline movement.

13. (Previously Presented) A system for quantifying asymmetry of body positions during a movement, comprising:

> a first determination module configured to determine a first set of data that comprises
>> positions of a first limb as the first limb performs the movement;

> a second determination module configured to determine a second set of data that
>> comprises positions of a second limb as the second limb performs a similar
>> movement;

> a generation module configured to generate a shape based on the first set of data and
>> the second set of data; and

> a third determination module configured to determine a value of a characteristic of
>> the generated shape.

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14.   (Previously Presented) A computer program product for quantifying asymmetry of body positions during a movement, including a computer readable medium, which comprises instructions to perform the following:

> determining a first set of data that comprises positions of a first limb as the first limb performs the movement;
>
> determining a second set of data that comprises positions of a second limb as the second limb performs a similar movement;
>
> generating a shape based on the first set of data and the second set of data; and
>
> determining a value of a characteristic of the generated shape.

15.   (Previously Presented) The method of claim 1 wherein a position of the first limb includes a location of a portion of the first limb.

16.   (Previously Presented) The method of claim 1 wherein a position of the first limb includes a location of a joint of the first limb.

17.   (Previously Presented) The method of claim 1 wherein the first limb is part of one body and wherein the second limb is part of the same body.

18.   (Previously Presented) The method of claim 1 wherein the first limb is part of one body and wherein the second limb is part of a different body.

19.   (Previously Presented) The method of claim 1 wherein the first limb comprises a leg.

20.   (Previously Presented) The method of claim 1 wherein the first limb comprises an arm.

21.   (Previously Presented) The method of claim 10 wherein the baseline movement comprises a perfectly symmetrical movement.

22.   (Previously Presented) The method of claim 12 wherein the movement comprises one or more cycles.

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